

# P **Pimenta racemosa**

## Common Name(s)

Bayrum Tree, West Indian Bay

## How Used

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Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	(E)-ANETHOLE	Leaf --	32	1.0000000000000002		
0	(E)-OCIMENE	Leaf --	65	-0.5328616124338607		
0	(E,E)-ALPHA-FARNESENE	Leaf --	36			
0	(Z)-OCIMENE	Leaf --	16	1.4142135623730954		
67	1,8-CINEOLE	Leaf 200	680	-0.4427590410772167		
0	1-OCTEN-3-OL	Leaf 100	440	3.154920477470215		
0	1-OCTEN-3-YL-ACETATE	Leaf --	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	2,3-DEHYDRO-1,8-CINEOLE	Leaf --	16			
2	3-OCTANOL	Leaf 30	170	1.999518069743643		
0	3-OCTANONE	Leaf 30	340	1		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	6-METHYL-HEPT-5-EN-2-ONE	Leaf --	48	1.0000000000000002		
0	ALPHA-AMORPHENE	Leaf 10	35	-0.19089331525390477		
0	ALPHA-CADINENE	Leaf --	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
3	ALPHA-CADINOL	Leaf --	36	1.7831324721513606		
0	ALPHA-COPAENE	Leaf --	70	0.060157357813246624		
0	ALPHA-CUBEBENE	Leaf --	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	ALPHA-CUBEBINE	Leaf --	--			
0	ALPHA-CYCLOCITRAL	Leaf --	32			
0	ALPHA-GURJUNENE	Leaf --	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
2	ALPHA-HUMULENE	Leaf --	36	-0.40692506372496984		
0	ALPHA-MUROLENE	Leaf --	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	ALPHA-P-DIMETHYL-STYRENE	Leaf --	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
11	ALPHA-PHELLANDRENE	Leaf 280	950	0.35939755207141527		
28	ALPHA-PINENE	Leaf 30	950	-0.16286620322884066		
23	ALPHA-TERPINEOL	Leaf 80	415	0.1382399064245457		
0	ALPHA-THUJENE	Plant --	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	

Chemical Plant Part		Low PPM	High PPM	StdDev Reference	Citation
0	ALPHA-YLANGENE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.
0	BETA-CARYOPHYLLENE	Leaf	--	110	-0.280971407085572
0	BETA-CEDRENE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.
0	BETA-COPAENE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.
2	BETA-MYRCENE	Leaf	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
3	BETA-PHELLANDRENE	Leaf	230	780	1.398677092000093
13	BETA-PINENE	Leaf	1	35	-0.37750495647165555
0	CALACORENE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.
0	CALAMENENE	Leaf	--	36	0.12537842028357807
41	CAMPHOR	Leaf	--	240	-0.24352185525168293
31	CARYOPHYLLENE	Leaf	90	305	-0.497340410309604
8	CARYOPHYLLENE-OXIDE	Leaf	--	18	-0.3781728702778057
3	CHAVICOL	Leaf	1100	7345	1
2	CHRYSANTHENONE	Leaf	--	255	
1	CIS-3-HEXENOL	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.

Chemical Plant Part		Low PPM	High PPM	StdDev PPM	Reference	Citation
0	CIS-ALPHA-FARNESENE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.	
53	CITRAL	Leaf	8000	31200	1	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	COPAENE	Leaf	20	70	1.544780732576718	
9	DELTA-CADINENE	Leaf	--	145	0.16716304864753206	
0	DELTA-ELEMENE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.	
0	DOCOSANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.	
0	EICOSANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.	
0	EO	Leaf	7500	34000	2.415813435144573	
12	ESTRAGOLE	Leaf	18	10745	0.19223833977396435	
76	EUGENOL	Leaf	16	19100	1.749765335298858	
5	EUGENOL-METHYL-ETHER	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	FURFROL	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	GAMMA-CADINENE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1979-1980.	
11	GAMMA-TERPINENE	Plant	--	16	-0.5274539805502925	
13	GERANIAL	Leaf	1	18090	2.64112243372159	

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
0	GERANIC-ACID	Leaf	--	160	0.9999999999999998	
35	GERANIOL	Leaf	--	560	0.02962893967624691	
5	GERANYL-ACETATE	Leaf	80	270	0.4063964750625717	
2	GERMACRENE-D	Leaf	--	55	-0.48053593113363874	
0	HENEICOSANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	HEPTADECANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	HEXACOSANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	HEXADECANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
3	HEXANOL	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
16	ISOEUGENOL	Leaf	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.	
0	LEDENE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
60	LIMONENE	Leaf	140	6870	6.779460530175923	
0	LINALOL	Leaf	130	1020	0.16156519383563286	
53	LINALOOL	Leaf	130	1020	0.1004432910088594	
6	METHYL-CHAVICOL	Leaf	30	10745	1.9031033477402637	

Chemical Plant Part		Low PPM	High PPM	StdDev Reference	Citation
20	METHYL-EUGENOL	Leaf	130	14650	1.7180184963159455
0	METHYL-HEPTENONE	Leaf	10	35	
0	MONOTERPENES	Leaf	2570	8740	1
22	MYRCENE	Leaf	735	23800	8.415615315531328
4	NERAL	Leaf	50	11080	2.645295440851897
0	NERIC-ACID	Leaf	--	32	
10	NEROL	Leaf	--	110	0.08229379594305986
5	NERYL-ACETATE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	NONADECANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	OCIMENE	Leaf	100	340	
0	OCTADECANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	P-CYMEN-8-OL	Leaf	--	18	-0.05670989498424539
16	P-CYMENE	Leaf	16	750	0.222984120681939
0	PENTACOSANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	PENTADECANE	Leaf	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
5	SABINENE	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
23	TERPINEN-4-OL	Leaf	30	190	-0.21755950373765864	
0	TERPINEN-4-YL-ACETATE	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TERPINOLINE	Leaf	30	100		
0	TETRACOSANE	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TETRADECANE	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TETROCOSANE	Leaf	--	--		
17	THUJONE	Leaf	--	16	-0.7362072762133899	
0	TRANS-3-HEXENOL	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRANS-LINALOOL-OXIDE	Leaf	--	18	0.15034619483106604	
0	TRANS-OCIMENE	Leaf	210	715	1.5508624595270908	
0	TRICOSANE	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRIDECANE	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	VERBENOL	Leaf	--	16	-1	